

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : KOBE STEEL LTD

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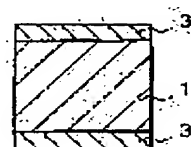
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(54) BRAZING SHEET MADE OF ALUMINUM ALLOY AND MANUFACTURING METHOD THEREFOR

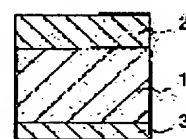
(57)Abstract:

PROBLEM TO BE SOLVED: To provide a brazing sheet made of aluminum alloy, excellent in formability and erosion resistance, without damaging corrosion resistance even in the case of a thin-walled material.

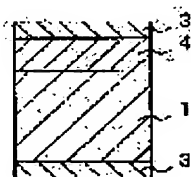
SOLUTION: The composition of the brazing sheet made of aluminum alloy is taken as a three-layered structure composed of a heartwood 1 made of an Al-Mn base alloy and brazing filler metal 3 made of an Al-Si base alloy and formed on both sides of the heartwood 1. The heartwood 1 has the average crystal grain size of 50 μm or less in a cross section in a direction perpendicular to the rolling direction thereof and a cladding ratio of 50% or more. A prestrain of 1-5% is imparted to the brazing sheet. Additionally, one piece of the metal 3 can be taken as a sacrificial layer 2.



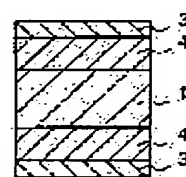
(a)



(b)



(c)



(d)

1 : 心材 2 : 犠牲層 3 : 溶け込み層 4 : 半間層

LEGAL STATUS

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